

APPENDIX E
RUN-TIME COTS SOFTWARE TEST CONDITION REQUIREMENTS
FOR SunOS 4.1.3

TEST CONDITION REQUIREMENT				
TCR NO.: DSRS-COTSR-001	DATE PREPARED: 9/25/95	PREPARER'S NAME: CACI, Inc.	ECP NO.:	INPUT MEDIUM: Interactive
<p>TEST PURPOSE:</p> <p>Verify that SunOS 4.1.3 will support interaction with the DSRS.</p> <p>CONDITION TO BE EVALUATED:</p> <p>The SunOS Release 4.1.3 banner is displayed at login and that the command shell interpreter is present.</p>				
<p>TEST PROCEDURES:</p> <ol style="list-style-type: none"> Log into the Sun console using a valid SunOS user ID and password which has been set up for OpenWindows and DSRS X/Motif operations. Use the right mouse button to select New Window under the Root menu pop-up menu. Select the new xterm window. From the Command Tool prompt invoke the DSRS X/Motif Programmer Tool. Select Continue. Exit the DSRS tool. 				
<p>EXPECTED OUTPUT:</p> <ol style="list-style-type: none"> The OpenWindows 3.3 logo should be displayed, then the Motif desktop should appear. A new xterm window should appear on the Motif desktop. The new xterm window should gain focus. DSRS X/Motif Programmer Tool DSRS window should appear on the Motif desktop. The DSRS window should appear on the Motif desktop. The DSRS Programmer Tool should disappear from the OpenWindows desktop. 				
<p>GENERATED TRANSACTIONS/REPORTS: None.</p>				
<p>DATABASE CHANGES EXPECTED: None.</p>				

TEST CONDITION REQUIREMENT

TCR NO.:

DATE PREPARED:

PREPARER'S NAME:

ECP NO.:

INPUT MEDIUM:

TEST RESULTS:

SUMMARY OF TEST RESULTS/OUTPUT GENERATED:

INSTALLATION INFORMATION

DATE INSTALLED: _____

PRINTED NAME/ORGANIZATION

SIGNATURE

TEST CONTROL INFORMATION

DATE TESTED: _____

PRINTED NAME/ORGANIZATION

() ACCEPTED () NOT ACCEPTED

SIGNATURE

EXPLAIN:

DATE TCR ACCEPTED: _____

ACCEPTANCE
SIGNATURE:

TEST CONDITION REQUIREMENT

TCR NO.:

DSRS-COTSR-002

DATE PREPARED:

9/25/95

PREPARER'S NAME:

CACI, Inc.

ECP NO.:

INPUT MEDIUM:

Interactive

TEST PURPOSE:

Verify that Sun OpenWindows 3.0 was correctly installed and performs as required.

CONDITION TO BE EVALUATED:

The OpenWindows server is installed and that all fonts and colors are configured as specified in the dsrs resource file.

TEST PROCEDURES:

- a. Log into the Sun console using a valid SunOS user ID and password which has been set up for OpenWindows and DSRS operations X/Motif.
- b. Press the right mouse button to select New Window under the Root Menu pop-up menu.
- c. Select the new xterm window.
- d. From the Command Tool prompt invoke the DSRS X/Motif Programmer Tool.
- e. Select Continue.
- f. Position the cursor in the DSRS window, then press the left mouse button to select Help and About DSRS from the DSRS pop-up menu.
- g. Exit the DSRS tool.

TEST CONDITION REQUIREMENT				
TCR NO.:	DATE PREPARED:	PREPARER'S NAME:	ECP NO.:	INPUT MEDIUM:
DSRS-COTSR-002	9/25/95	CACI, Inc.		Interactive
EXPECTED OUTPUT: <ul style="list-style-type: none">a. The OpenWindows 3.3 logo should be displayed, then the Motif desktop should appear.b. A new xterm window should appear on the Motif desktop.c. The new xterm window should gain focus.d. DSRS X/Motif Programmer Tool DSRS window should appear on the Motif desktop with the colors and fonts specified in DSRS resource file.e. The DSRS Window should appear on the Motif desktop.f. The About DSRS window should appear.g. The DSRS X/Motif Programmer Tool should disappear from the Motif desktop.				
GENERATED TRANSACTIONS/REPORTS: None.				
DATABASE CHANGES EXPECTED: None.				

TEST CONDITION REQUIREMENT

TCR NO.:

DATE PREPARED:

PREPARER'S NAME:

ECP NO.:

INPUT MEDIUM:

TEST RESULTS:

SUMMARY OF TEST RESULTS/OUTPUT GENERATED:

INSTALLATION INFORMATION

DATE INSTALLED: _____

PRINTED NAME/ORGANIZATION

SIGNATURE

TEST CONTROL INFORMATION

DATE TESTED: _____

PRINTED NAME/ORGANIZATION

() ACCEPTED () NOT ACCEPTED

SIGNATURE

EXPLAIN:

DATE TCR ACCEPTED: _____

ACCEPTANCE
SIGNATURE:

TEST CONDITION REQUIREMENT				
TCR NO.:	DATE PREPARED:	PREPARER'S NAME:	ECP NO.:	INPUT MEDIUM:
DSRS-COTSR-003	9/25/95	CACI, Inc.		Interactive
<p>TEST PURPOSE:</p> <p>Verify that ICS OSF Motif Version 1.2.4 has been correctly installed and performs as required.</p> <p>CONDITION TO BE EVALUATED:</p> <p>The ICS OSF Motif process is executing.</p>				
<p>TEST PROCEDURES:</p> <ol style="list-style-type: none"> Log into the Sun console using a valid SunOS user ID and password which has been set up for OpenWindows and DSRS X/Motif operations. Press the right mouse button to select New Window under the Root Menu pop-up menu. Select the new xterm window. Type the following command at the SunOS prompt. <pre>ps -aux grep mwm</pre> 				
<p>EXPECTED OUTPUT:</p> <ol style="list-style-type: none"> The OpenWindows 3.3 logo should be displayed, then the Motif desktop should appear. A new xterm window should appear on the Motif desktop. The new xterm window should gain focus. Confirmation for mwm process running and related information. 				
<p>GENERATED TRANSACTIONS/REPORTS: None.</p>				
<p>DATABASE CHANGES EXPECTED: None.</p>				

TEST CONDITION REQUIREMENT

TCR NO.:

DATE PREPARED:

PREPARER'S NAME:

ECP NO.:

INPUT MEDIUM:

TEST RESULTS:

SUMMARY OF TEST RESULTS/OUTPUT GENERATED:

INSTALLATION INFORMATION

DATE INSTALLED: _____

PRINTED NAME/ORGANIZATION

SIGNATURE

TEST CONTROL INFORMATION

DATE TESTED: _____

PRINTED NAME/ORGANIZATION

() ACCEPTED () NOT ACCEPTED

SIGNATURE

EXPLAIN:

DATE TCR ACCEPTED: _____

ACCEPTANCE
SIGNATURE:

TEST CONDITION REQUIREMENT				
TCR NO.:	DATE PREPARED:	PREPARER'S NAME:	ECP NO.:	INPUT MEDIUM:
DSRS-COTSR-004	9/25/95	CACI, Inc.		Interactive
<p>TEST PURPOSE:</p> <p>Verify that ORACLE7 Server (RDBMS) Release 7.1.3.0.0 has been correctly installed and performs as required.</p> <p>CONDITION TO BE EVALUATED:</p> <p>The ORACLE7 Server (RDBMS) Release 7.1.3.0.0 banner is displayed and the database is reset.</p> <p>TEST PROCEDURES:</p> <ol style="list-style-type: none"> Log into the Sun console using a valid SunOS user ID and password which has been set up for DSRS and ORACLE operations. Type the following command at a SunOS prompt to reset the database and write the output to the db_info.lis file: <pre>reset_db >&! db_info.lis</pre> At the SunOS prompt, review db_info.lis to verify the output of the reset_db command. Use the following command to display the file on the screen: <pre>more db_info.lis</pre> <p>EXPECTED OUTPUT:</p> <ol style="list-style-type: none"> The SunOS prompt should be displayed. The SunOS prompt should be displayed. The contents of the db_info.lis file should be displayed on the screen. The following text should appear before and after a list of acknowledgements for SQL operations in the db_info.lis: <p>Oracle7 Server Release 7.1.3.0.0 - Production Release</p> <p>The SQL operations should be followed by a list of all the DSRS tables being imported and a final message indicating that the import terminated successfully.</p> <p>GENERATED TRANSACTIONS/REPORTS:</p> <p>The file db_info.lis should be created and stored in the current working directory. This file should contain the output displayed when the command is executed.</p>				

TEST CONDITION REQUIREMENT

TCR NO.:

DSRS-COTSR-004

DATE PREPARED:

9/25/95

PREPARER'S NAME:

CACI, Inc.

ECP NO.:

INPUT MEDIUM:

Interactive

DATABASE CHANGES EXPECTED:

After the **reset_db** script is executed, the database will contain all the DSRS tables with the initial test data.

TEST CONDITION REQUIREMENT

TCR NO.:

DATE PREPARED:

PREPARER'S NAME:

ECP NO.:

INPUT MEDIUM:

TEST RESULTS:

SUMMARY OF TEST RESULTS/OUTPUT GENERATED:

INSTALLATION INFORMATION

DATE INSTALLED: _____

PRINTED NAME/ORGANIZATION

SIGNATURE

TEST CONTROL INFORMATION

DATE TESTED: _____

PRINTED NAME/ORGANIZATION

() ACCEPTED () NOT ACCEPTED

SIGNATURE

EXPLAIN:

DATE TCR ACCEPTED: _____

ACCEPTANCE
SIGNATURE:

TEST CONDITION REQUIREMENT

TCR NO.:

DSRS-COTSR-005

DATE PREPARED:

9/25/95

PREPARER'S NAME:

CACI, Inc.

ECP NO.:

INPUT MEDIUM:

Interactive

TEST PURPOSE:

Verify that ORACLE SQL*Plus 3.1.3.4.1 was correctly installed and performs as required.

CONDITION TO BE EVALUATED:

The SQL prompt appears and a table can be queried.

TEST PROCEDURES:

- a. Log into the Sun console using a valid SunOS user ID and password which has been set up for ORACLE operation.
- b. Invoke SQL*Plus by typing the following command at a SunOS prompt:
sqlplus
- c. Login into SQL*Plus using a valid SQL user ID and password (for example, use **system** as the user ID and **manager** as the password.
- d. Type the following command at the **SQL>** prompt to set the page size for the output:
set pagesize 1000;
- e. Type the following command at the **SQL>** prompt to spool the output to the a file **table_names.lis**:
spool table_names.lis;
- f. Type the following command at the **SQL>** prompt:
select table_name from sys.dba_tables;
- g. Type the following command at the **SQL>** prompt to exit:
exit
- h. At the SunOS prompt, view **table_names.lis** to verify the output from the query. Use the following command to display the file on the screen:
more table_names.lis

TEST CONDITION REQUIREMENT

TCR NO.:

DSRS-COTSR-005

DATE PREPARED:

9/25/95

PREPARER'S NAME:

CACI, Inc.

ECP NO.:

INPUT MEDIUM:

Interactive

EXPECTED OUTPUT:

- a. The SunOS prompt should appear.
- b. The **Name:** prompt for SQL*Plus is displayed. The software release version will also be displayed on the screen. This version should match exactly to that stated in the "Test Purpose" section of this TCR.
- c. An **SQL>** prompt should appear.
- d. An **SQL>** prompt should appear.
- e. An **SQL>** prompt should appear.
- f. The names of the ORACLE system tables should be displayed.
- g. The **SQL>** prompt should disappear and return to the SunOS prompt.
- h. The contents of the **table_names.lis** file should be displayed on the screen (the ORACLE system table names).

GENERATED TRANSACTIONS/REPORTS:

The file **table_names.lis** should be created and stored in the current working directory. This file should contain a listing of the ORACLE system table names.

DATABASE CHANGES EXPECTED: None.

TEST CONDITION REQUIREMENT

TCR NO.:

DATE PREPARED:

PREPARER'S NAME:

ECP NO.:

INPUT MEDIUM:

TEST RESULTS:

SUMMARY OF TEST RESULTS/OUTPUT GENERATED:

INSTALLATION INFORMATION

DATE INSTALLED: _____

PRINTED NAME/ORGANIZATION

SIGNATURE

TEST CONTROL INFORMATION

DATE TESTED: _____

PRINTED NAME/ORGANIZATION

() ACCEPTED () NOT ACCEPTED

SIGNATURE

EXPLAIN:

DATE TCR ACCEPTED: _____

ACCEPTANCE
SIGNATURE:

TEST CONDITION REQUIREMENT				
TCR NO.:	DATE PREPARED:	PREPARER'S NAME:	ECP NO.:	INPUT MEDIUM:
DSRS-COTSR-006	9/25/95	CACI, Inc.		Interactive
<p>TEST PURPOSE:</p> <p>Verfiy that SQL*Net for TCP/IP Version 1.0 has been correctly installed and performs as required.</p> <p>CONDITION TO BE EVALUATED:</p> <p>Verify that the orasrv SQL*Net process is executing.</p>				
<p>TEST PROCEDURES:</p> <ol style="list-style-type: none"> Login to the Sun console using a valid SunOS user ID and password which has been set up for ORACLE operation. Type the following command at a SunOS prompt to display the status of the orasrv process. The hostname should be the hostname of the current host. <p style="text-align: center;"><i>tcpctl stat @hostname</i></p>				
<p>EXPECTED OUTPUT:</p> <ol style="list-style-type: none"> The SunOS prompt should be displayed. Messages should be displayed. The second line should state that the <p style="text-align: center;">Server is running</p>				
<p>GENERATED TRANSACTIONS/REPORTS: None.</p>				
<p>DATABASE CHANGES EXPECTED: None.</p>				

TEST CONDITION REQUIREMENT

TCR NO.:

DATE PREPARED:

PREPARER'S NAME:

ECP NO.:

INPUT MEDIUM:

TEST RESULTS:

SUMMARY OF TEST RESULTS/OUTPUT GENERATED:

INSTALLATION INFORMATION

DATE INSTALLED: _____

PRINTED NAME/ORGANIZATION

SIGNATURE

TEST CONTROL INFORMATION

DATE TESTED: _____

PRINTED NAME/ORGANIZATION

() ACCEPTED () NOT ACCEPTED

SIGNATURE

EXPLAIN:

DATE TCR ACCEPTED: _____

ACCEPTANCE
SIGNATURE:

TEST CONDITION REQUIREMENT				
TCR NO.: DSRS-COTSR-007	DATE PREPARED: 9/25/95	PREPARER'S NAME: CACI, Inc.	ECP NO.:	INPUT MEDIUM: Interactive
<p>TEST PURPOSE:</p> <p>Verify that Minerva MSQL RDBMS was correctly installed and performs as required.</p> <p>CONDITION TO BE EVALUATED:</p> <p>The Minerva test database is created.</p>				
<p>TEST PROCEDURES:</p> <p>a. Login to the Sun console using a valid SunOS user ID and password which has root access.</p> <p>b. Type the following command at a SunOS prompt to create a test msql database.</p> <p style="text-align: center;">/usr/local/Minerva/bin/msqladmin create test</p> <p>c. Type the following command at a SunOS prompt to drop the above msql database.</p> <p style="text-align: center;">/usr/local/Minerva/bin/msqladmin drop test</p> <p>d. Type y at the prompt.</p>				
<p>EXPECTED OUTPUT:</p> <p>a. The SunOS prompt should be displayed.</p> <p>b. The following will be displayed.</p> <p style="text-align: center;">Database "test" created</p> <p>c. The prompt Do you really want to drop the "test" database? is displayed.</p> <p>d. The following will be displayed.</p> <p style="text-align: center;">Database "test" dropped</p>				
<p>GENERATED TRANSACTIONS/REPORTS: None.</p>				
<p>DATABASE CHANGES EXPECTED: None.</p>				

TEST CONDITION REQUIREMENT

TCR NO.:

DATE PREPARED:

PREPARER'S NAME:

ECP NO.:

INPUT MEDIUM:

TEST RESULTS:

SUMMARY OF TEST RESULTS/OUTPUT GENERATED:

INSTALLATION INFORMATION

DATE INSTALLED: _____

PRINTED NAME/ORGANIZATION

SIGNATURE

TEST CONTROL INFORMATION

DATE TESTED: _____

PRINTED NAME/ORGANIZATION

() ACCEPTED () NOT ACCEPTED

SIGNATURE

EXPLAIN:

DATE TCR ACCEPTED: _____

ACCEPTANCE
SIGNATURE:

TEST CONDITION REQUIREMENT				
TCR NO.:	DATE PREPARED:	PREPARER'S NAME:	ECP NO.:	INPUT MEDIUM:
DSRS-COTSR-008	9/25/95	CACI, Inc.		Interactive
<p>TEST PURPOSE:</p> <p>Verify that ORACLE PL/SQL Release 2.1.3.0.0 has been correctly installed and performs as required.</p> <p>CONDITION TO BE EVALUATED:</p> <p>The ORACLE PL/SQL Release 2.1.3.0.0 banner is displayed and the database is reset.</p> <p>TEST PROCEDURES:</p> <ol style="list-style-type: none"> Log into the Sun console using a valid SunOS user ID and password which has been set up for DSRS operation. Type the following command at a SunOS prompt to reset the database and write the output to the db_info.lis file: <pre>reset_db >&! db_info.lis</pre> At the SunOS prompt, review db_info.lis to verify the output of the reset_db command. Use the following command to display the file on the screen: <pre>more db_info.lis</pre> <p>EXPECTED OUTPUT:</p> <ol style="list-style-type: none"> The SunOS prompt should be displayed. The SunOS prompt should be displayed. The contents of the db_info.lis file should be displayed on the screen. The following text should appear before and after a list of acknowledgements for SQL operations in the db_info.lis: <p>PL/SQL Release 2.1.3.0.0 - Production</p> <p>The SQL operations should be followed by a list of all the DSRS tables being imported and a final message indicating that the import terminated successfully.</p> <p>GENERATED TRANSACTIONS/REPORTS:</p> <p>The file db_info.lis should be created and stored in the current working directory. This file should contain the output displayed when the command is executed.</p>				

TEST CONDITION REQUIREMENT

TCR NO.:

DSRS-COTSR-008

DATE PREPARED:

9/25/95

PREPARER'S NAME:

CACI, Inc.

ECP NO.:

INPUT MEDIUM:

Interactive

DATABASE CHANGES EXPECTED:

After the **reset_db** script is executed, the database will contain all the DSRS tables with the initial test data.

TEST CONDITION REQUIREMENT

TCR NO.:

DATE PREPARED:

PREPARER'S NAME:

ECP NO.:

INPUT MEDIUM:

TEST RESULTS:

SUMMARY OF TEST RESULTS/OUTPUT GENERATED:

INSTALLATION INFORMATION

DATE INSTALLED: _____

PRINTED NAME/ORGANIZATION

SIGNATURE

TEST CONTROL INFORMATION

DATE TESTED: _____

PRINTED NAME/ORGANIZATION

() ACCEPTED () NOT ACCEPTED

SIGNATURE

EXPLAIN:

DATE TCR ACCEPTED: _____

ACCEPTANCE
SIGNATURE:

TEST CONDITION REQUIREMENT

TCR NO.:

DSRS-COTSR-017

DATE PREPARED:

9/15/96

PREPARER'S NAME:

CACI, Inc.

ECP NO.:

INPUT MEDIUM:

Interactive

TEST PURPOSE:

Verify freeWAIS-0.5 was correctly installed and performs as required.

TEST PROCEDURES:

- a. Log into the Sun console using a valid SunOS User ID and password.
- b. Type the following command at a SunOS prompt to create a WAIS database for the keyword file /dsrscm/config/test.wais:

/dsrscm/testdb/tcr017_create

- c. Type the following command at a SunOS prompt to search for the 'thisisatest' keyword:

/dsrscm/lib/dsrswais -d test_tcr/keywords thisiatest

TEST CONDITION REQUIREMENT

TCR NO.:

DSRS-COTSR-017

DATE PREPARED:

9/15/96

PREPARER'S NAME:

CACI, Inc.

ECP NO.:

INPUT MEDIUM:

Interactive

EXPECTED OUTPUT:

- a. The SunOS prompt should be displayed.
- b. Messages should be displayed. The first line should state that:

Creation of test_tcr directory was successful.

The second line should state the following text in addition to the date and time:

Starting to build database test_tcr

- c. The following messages should be displayed:

Database: test_tcr/keywords
Keywords: thisiatest
Search Response:
Number of Records Returned: 1
1000 test.wais /dsrscm/config/

GENERATED TRANSACTIONS/REPORTS: A test_tcr directory will be created and will include the WAIS files for the keywords database.

DATABASE CHANGES EXPECTED: None.

TEST CONDITION REQUIREMENT

TCR NO.:

DATE PREPARED:

PREPARER'S NAME:

ECP NO.:

INPUT MEDIUM:

TEST RESULTS:

SUMMARY OF TEST RESULTS/OUTPUT GENERATED:

INSTALLATION INFORMATION

DATE INSTALLED: _____

PRINTED NAME/ORGANIZATION

SIGNATURE

TEST CONTROL INFORMATION

DATE TESTED: _____

PRINTED NAME/ORGANIZATION

() ACCEPTED () NOT ACCEPTED

SIGNATURE

EXPLAIN:

DATE TCR ACCEPTED: _____

ACCEPTANCE
SIGNATURE: